Claims

WHAT IS CLAIMED IS:

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1.   A method of redirecting a request URL comprising:

receiving the request Uniform Resource Locator (URL) comprising data related to a

patterned URL and data related to a destination URL;

determining the patterned URL based on the data related to the patterned URL from the

10   request URL; and

generating a destination URL based on one or more of the patterned URL, the data related

to the destination URL from the request URL, and redirector configuration

information.

15   2.   The method of claim 1, wherein generating a destination URL comprises:

parsing the patterned URL;

determining whether a character from the patterned URL indicates a pattern;

responsive to the character from the patterned URL indicating a pattern, interpreting the

pattern based on a data source type and a format specifier; and

20   responsive to the character from the patterned URL not indicating a pattern, copying the

character from the patterned URL to the destination URL.

3.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a name of a service, looking up an

25   Hyper-Text Transfer Protocol (HTTP) address for the service and placing the address into

the destination URL.

4.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating string data, copying the string data

30   into the destination URL.

5.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a language , rewriting the language

as a corresponding culture and adding the culture to the destination URL.

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6.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a language, rewriting the language

as a corresponding culture and adding the culture to the destination URL if the language

indicates other than English.

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7.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a language, copying the language

to the destination URL if the language indicates other than English.

15   8.   The method of claim 2, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a culture, translating the culture to

a Language Culture IDentifier (LCID) and placing the LCID into the destination URL.

9.   The method of claim 2, wherein interpreting the pattern based on the format specifier

20   comprises responsive to the format specifier indicating a special string copy, copying a

following string to the destination URL only if a previous portion of the patterned URL caused data to be written to the destination URL.

10. The method of claim 2, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a path portion of the request URL, copying a path part from the request URL to the destination URL.

11. The method of claim 2, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a query string of the request URL, copying data from the query string of the request URL to the destination URL.

12. The method of claim 2, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a data source identifier of the patterned URL, copying the data source identifier from the patterned URL to the destination URL.

13. The method of claim 10, wherein the path portion is identified by a data source identifier in the pattern.

14. The method of claim 11, wherein the query string is identified by a data source identifier in the pattern.

15.   A system comprising:

a processor; and

a memory coupled with and readable by the processor and having stored therein

instructions which, when executed by the processor, cause the processor to receive

a request Uniform Resource Locator (URL) comprising data related to a patterned

URL and data related to a destination URL, determine the patterned URL based on

the data related to the patterned URL from the request URL, and generate a

destination URL based on one or more of the patterned URL, the data related to

the destination URL from the request URL, and redirector configuration

information.

16.   The system of claim 15, wherein generating a destination URL comprises:

parsing the patterned URL;

determining whether a character from the patterned URL indicates a pattern;

responsive to the character from the patterned URL indicating a pattern, interpreting the

pattern based on a data source type and a format specifier; and

responsive to the character from the patterned URL not indicating a pattern, copying the

character from the patterned URL to the destination URL.

17.   The system of claim 16, wherein interpreting the pattern based on the format specifier

comprises responsive to the format specifier indicating a name of a service, looking up an

Hyper-Text Transfer Protocol (HTTP) address for the service and placing the address into

the destination URL.

25   18.   The system of claim 16, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating string data, copying the string data into the destination URL.

19.   The system of claim 16, wherein interpreting the pattern based on the format specifier

30   comprises responsive to the format specifier indicating a language, rewriting the language as a corresponding culture and adding the culture to the destination URL.

20.   The system of claim 16, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, rewriting the language as a corresponding culture and adding the culture to the destination URL if the language

5   indicates other than English.

21.   The system of claim 16, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, copying the language to the destination URL is the language indicates other than English.

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22.   The system of claim 16, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a culture, translating the culture to a corresponding Language Culture IDentifier (LCID) and placing the LCID into the destination URL.

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23.   The system of claim 16, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a special string copy, copying a

following string to the destination URL only if a previous portion of the patterned URL caused data to be written to the destination URL.

24. The system of claim 16, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a path portion of the request URL, copying a path part from the request URL to the destination URL.

25. The system of claim 16, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a query string of the request URL, copying data from the query string of the request URL to the destination URL.

26. The system of claim 16, wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a data source identifier of the patterned URL, copying the data source identifier from the patterned URL to the destination URL.

27. The system of claim 24, wherein the path part is identified by a data source identifier in the pattern.

28. The system of claim 25, wherein the query string is identified by a data source identifier in the pattern.

29.   A computer-readable medium encoding a computer program of instructions for executing

a computer process for redirecting a request URL, the computer process comprising:

receiving the request Uniform Resource Locator (URL) comprising data related to a

patterned URL and data related to a destination URL;

5   determining the patterned URL based on the data related to the patterned URL from the

request URL; and

generating a destination URL based on one or more of the patterned URL, the data related

to the destination URL from the request URL, and redirector configuration

information.

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30.   The computer-readable medium of claim 29, wherein generating a destination URL

comprises:

parsing the patterned URL;

determining whether a character from the patterned URL indicates a pattern;

15   responsive to the character from the patterned URL indicating a pattern, interpreting the

pattern based on a data source type and a format specifier; and

responsive to the character from the patterned URL not indicating a pattern, copying the

character from the patterned URL to the destination URL.

20   31.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

format specifier comprises responsive to the format specifier indicating a name of a

service, looking up an Hyper-Text Transfer Protocol (HTTP) address for the service and

placing the address into the destination URL.

25   32.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

format specifier comprises responsive to the format specifier indicating string data,

copying the string data into the destination URL.

33.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

30   format specifier comprises responsive to the format specifier indicating a language,

rewriting the language as a corresponding culture and adding the culture to the destination

URL.

34.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

35   format specifier comprises responsive to the format specifier indicating a language,

rewriting the language as a corresponding culture and adding the culture to the destination

URL if the language indicates other than English.

35.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

format specifier comprises responsive to the format specifier indicating a language,

copying the language to the destination URL is the language indicates other than English.

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36.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

format specifier comprises responsive to the format specifier indicating a culture,

translating the culture to a Language Culture IDentifier (LCID) and placing the LCID into

the destination URL.

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37.   The computer-readable medium of claim 30, interpreting the pattern based on the format

specifier comprises responsive to the format specifier indicating a special string copy,

copying a following string to the destination URL only if a previous portion of the

patterned URL caused data to be written to the destination URL.

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38.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

data source type comprises responsive to the data source type indicating that data is

located in a path portion of the request URL, copying a path part from the request URL to

the destination URL.

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39.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

data source type comprises responsive to the data source type indicating that data is

located in a query string of the request URL, copying data from the query string of the

request URL to the destination URL.

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40.   The computer-readable medium of claim 30, wherein interpreting the pattern based on the

data source type comprises responsive to the data source type indicating that data is

located in a data source identifier of the patterned URL, copying the data source identifier

from the patterned URL to the destination URL.

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41.   The computer-readable medium of claim 38, wherein the path part is identified by a data

source identifier in the pattern.

42.   The computer-readable medium of claim 39, wherein the query string is identified by a

35   data source identifier in the pattern.